ABSTRACT

A high-speed search method in a speech encoder using an order character of LSP (Line Spectrum Pair) counts in a LSP count quantizer

5   using SVQ (Split Vector Quantization) used in a low-speed transmission speech encoder, includes the steps of rearranging a codebook according to an element value of a reference row for determining a range of code vectors to be searched; and determining a search range by using an order character between a given target vector and an arranged code

10   vector to obtain an optimal code vector.

The method gives effects of reducing computational complex required to search the codebook without signal distortion in quantizing the LSP counts of the speech encoder using SVQ manner, and reducing computational complex without loss of tone quality in G.729 fixed

15   codebook search by performing candidate selection and search on the basis of the correlation value size of the pulse position index.

FIG. 2